

SIEMENS

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SP

Maintenance Instructions

SIREMOBIL

DICOM Bridge

The protocol SPR2-130.832.01.02.02 is required for these instructions

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1 General information

1.1 requirements

- The prerequisites described in Chapter 1 of the Service Instructions apply to maintenance as well.

1.2 Required Documents

<ul style="list-style-type: none">• The safety information in accordance with ARTD Part 2.	
<ul style="list-style-type: none">• Service protocol	SPR2-130.105.02..
<ul style="list-style-type: none">• DICOM Bridge Installation and Setting Instructions	SPR2-130.033.04..
<ul style="list-style-type: none">• Service instructions for the system	

1.3 Required Tools, Test Equipment and Aids

NOTE

The indicated articles are listed in the STC (Service Tools Catalog) unless otherwise stated (the STC is a component of the Spare Parts Catalog), except for those items identified with "***".

Tool	Material no.:
<ul style="list-style-type: none"> Standard tool kit* 	
<ul style="list-style-type: none"> Protective conductor meter 	44 15 899 RV090
<ul style="list-style-type: none"> 25 mm measurement setup AL type 26765 acc. to DIN 6868 part 50 or <ul style="list-style-type: none"> 1.2 mm Cu from the X-ray filter set 17 µm strips 	97 98 596 G5321 11 67 662 G5247
<ul style="list-style-type: none"> Dynamic test kit or <ul style="list-style-type: none"> TV dynamic test Bracket Veiling glare test Capillary Test Heart contour diaphragm 	<ul style="list-style-type: none"> 37 90 156 X 1963 97 50 001 X 1963 37 90 164 X 1963 87 13 901 X 1963 87 13 901 X 1963 37 90 180 X 1963 37 90 172 X 1963
<ul style="list-style-type: none"> Service PC 	
<ul style="list-style-type: none"> Service PC serial interface cable or 	99 00 440 RE999 96 60 978 RE999
<ul style="list-style-type: none"> Set of resolution tests 	28 71 820 RE999
<ul style="list-style-type: none"> Precision X-ray filter 2.1 mm Cu 	99 00 598 XE999
<ul style="list-style-type: none"> X-ray filters 10 x 0.3 mm Cu, set 	44 06 120 RV090

1.4 Text designations




 DANGER	DANGER indicates when there is an immediate danger that leads to death or serious physical injury.
 WARNING	WARNING indicates a risk of danger that may lead to death or serious physical injury.
 CAUTION	CAUTION used with the safety alert symbol indicates a risk of danger that leads to slight or moderate physical injury and/ or damage to property.
NOTICE	NOTICE used without the safety alert symbol indicates a risk of danger that if disregarded leads or may lead to a potential situation which may result in an undesirable result or state other than death, physical injury or property damage.

Fig. 1: Safety Notes

1.5 Safety information and protective measures

NOTE

- When performing service work and tests, observe:
 - the product-specific safety instructions in the documentation,
 - the safety guidelines TD00-000.860.01... ,
 - the general safety guidelines contained in the ARTD part 2.
- Always unplug the line power connection when working on the system.
- Follow all general safety rules when working with the system under power.
- Observe ESD regulations!
- Perform the protective conductor test according to ARTD-002.731.17 upon completion of the work and after all covers have been reattached. The ground wire resistance must not exceed 0.2 ohms.

1.6 Abbreviations

Abbrev.	Description
SI	Safety Inspection
SIE	Electrical Safety Inspection
SIM	Mechanical Safety Inspection
PM	Preventive Maintenance
PMP	Periodic Preventive Maintenance
PMA	Preventive Maintenance Adjustments
PMF	Preventive Maintenance, Operating Value Check, Function Check
Q	Quality Check
QIQ	Image Quality Check
QSQ	System Quality Check
SW	Software Maintenance

- The steps identified by these abbreviations appear in the maintenance report as items which should be checked off upon completion.

NOTE

The sequence for complete maintenance and inspection is described on the following pages.

Each work step must be performed on an annual basis, if not otherwise specified.

1.7 Maintenance interval

12 months

2 Inspection of exterior and surroundings

2.1 Inspection of exterior

PMP Damage

- Inspect all power cables, plugs, socket panels and sockets for damage.

2.2 Inspection of environment

n.a.

3 Safety Inspection

3.1 Mechanical Safety Inspection

SIM Mounting

- Check the mounting of the DICOM bridge in the monitor carriage.

3.2 Electrical Safety Inspection

SIE Ventilation

- Clean the ventilation slots on the DICOM bridge and inspect the fan for proper operation.

SIE Protective Conductor Test

- Measure the protective conductor with the protective conductor testing device according to ARTD-002.731.17.

NOTE

The protective conductor test is part of the safety inspection. It can only be performed, however, when maintenance has been completed and the covers are closed or reattached. Refer to the "Final work steps" section.

4 Final results/quality inspection/general maintenance

SIE Image quality (IQ) quick test

- As part of the system IQ quick test, perform the IQ Quicktest as described in Chapter 6 of the Installation and Adjustment Instructions, SPR2-130.033.04.

16 Final results/quality inspection/general maintenance

4.1 Final Work Steps

SIE Protective Conductor Test

- Perform the protective conductor test with the system's covers closed and panels attached, according ARTD-002.731.17. The protective conductor resistance may not exceed 0.2 Ohms.

5 Changes since previous version

Document was converted to DMS

